

**CONFIDENTIAL**

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NPIC/P&DE/D/6-776  
9 February 1966

## MEMORANDUM FOR THE RECORD

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SUBJECT: Maintenance of [ ] Chip Comparator

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1. On February 8, 1966 [ ] a representative of [ ] Inc. performed the following maintenance on the Chip Comparator (405B Serial number 1) in IAD.

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- a. Increased the output of the high voltage circuit for both the X and Y axis.
- b. Replaced a printed circuit board in the X axis circuit.
- c. Adjusted the D.C. level of interferometer output signals for both axis.
- d. Adjusted [ ] Trigger circuits for both axis.

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2. [ ] was questioned as to why the [ ] Trigger circuits had to be adjusted frequently. He explained this problem could be caused by change in ambient room temperature or line voltage fluctuation, but hadn't experienced this problem at other [ ] installations.

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3. EPS will maintain a record of all drift problems. Included in this record will be the axis affected, any room temperature change, and the amount and direction of adjustment needed to correct the problem. When enough data has been collected to warrant investigation of this problem, the malfunction record will be sent to [ ] for action.

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4. A voltage regulator has been supplied by [ ] to be used if the drifting problem is suspected to be caused by line voltage fluctuation.

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5. A daily test will be performed by IAD to determine whether the equipment is working correctly.

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DECLASS REVIEW by NIMA/DOD

[ ]  
Equipment Performance Section

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cc: [ ]

**CONFIDENTIAL**GROUP 1  
Excluded from automatic  
downgrading and  
declassification